II-27—104,0

P.W. (195) Departm

Grady SERIES.

G.O. NO. M. 3363

3363

Dated 11-12-51

[Despatch Abstract.]

COMMUNICATIONS - South Kanara District Bridge at M. 9/6 at Vittal K road - Re-construction - Revised Estimate for Rs.92,000/- Approve

FROM
SRI. M. S. THIRUMALE IYENGAR,
B.E., I.S.E.,
CHIEF ENGINEER (HIGHWAYS),
CHEPAUK, M A D R A S--5.

TO
THE SECRETARY TO GOVERNMENT,
PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE,
M A D R A S--9.

LETTER No. 28392/51-K2-10 Dated 13-7-1951.

SIR,

SUB:-WORKS --P.W.R.D. - OTHER THAN N.H. SOUTH KANARA DISTRICT - RECONSTRUCTING THE BRIDGE AT M 0/6 OF VITTAL - KABACCA ROAD - REVISED ADMINISTRATIVE APPROVAL FOR Rs 92,000/-

63395

REF:- G.O. No. Ms. 1354 (P.W.D.) dated 20-4-1943.

I forward herewith the revised estimate for the above work for Rs 92,000/- for obtaining the revised administrative approval of the Government.

The work was originally approved by Government for Rs 63,000/- in G.O. No. Ms. 1354 P.W.D. dated 20-4-1943 and the estimate was also accorded technical sanction by the Superintending Engineer (Bridges) for Rs 63,500/- in 1946-47.

After the work was taken up it was found that rock was not available at expected levels, and that open foundations could not be carried out, as per original design. The work was stopped and the

2

the estimate revised changing the design from open foundations to well foundations. This, and the adoption of the current schedule of rates have resulted in the increase of estimate.

The work is of an urgent nature, and I request that the orders of the Government may be communicated at an early date.

16.7.5

for CHIEF ENGINEER (HIGHWAYS)

Encl. One revised estimate.

ks/14751.

3

REPORT TO ACCOMPANY THE ESTIMATE FOR RECONSTRUCTING THE BRIDGE AT 0/6 OF VITTAL KALLACCA ROAD.

Rs.92,000/-

The original estimate for the above work provides open foundation for the abutments and piers. As per the original investigation hard rocky bed is expected to be met with at the R.L. of 28.50: but hard rock was not met with at this level during execution. There was no chance of meeting with hard rock even at 8 to 10 feet below.

Fresh borings were taken and the results showed that hard rock could be met with at a lower level and hence the design had to be changed from "open" foundations to "well" foundations.

The piers are proposed to be constructed with C.R. stone masonary. 1st sort in C.M.(1:5) in lieu of R.C. work originally proposed. The free board is also reduced to 3'-0 as it is considered to be quite adequate.

The original estimate was based on the schedule of rates for 48-49. The revised estimate provides for the schedule of rates for 51-52 which is considerably higher than the schedule of rates for 48-49.

The work will be carried out as per M.D.S.S. and other relevant specifications.

Sd. x x x
for Superintending Engineer( )

/True Copy/

26/11/7

A.V. Padhmanabha - D.T.S.
For Chief Engineer (Highways)

ABSTRACT OF ESTIMATE

Name of Division: South Kanara

Name of work: Reconstructing a bridge at K.0/6 of Vittal Kabacca Road in South Kanara District.

Item number	Quantity.	Description of work.	Rate.	Per.	Amount	Total
1.	2.	3.	4.	5.	6.	7.
1.	10000 Cft.	Earth work excavation in all soils for levelling of ground for starting works under piers and abutments.(average of S.I. 14-A, 15-A, and 16-A.)	24-0-0	1000 Cft.		240-0-0
2.	1325 Cft.	Reinforced cement concrete 1;2;4 with 3/4" size hard granite chips including cost of cement, steel, centering charges etc., complete for well curbs.	3-10-0 (data 6)	one cft.		4803-0-0
3.(a)	95 Rft.	Sinking of R.C. rectangular wells under piers and abutments. under abutments (size 10'-6"x9'-0")	85-12-0 (data 10)	one Rft.		8146-0-0
(b)	90 Rft.	Under piers (well size 8'-0" x 8'-0")	57-10-0 (data 11)	one Rft		5186--0--0
4.	6375 Cft.	Cement concre (1;3;6) mix with 1½" size hard broken granite metal including cost of cement centering charges etc., complete for well steining.	118-0-0 (data 7.)	100 Cft.		7523-0-0
5.	2000 Cft.	Cement concrete (1;2;4) mix with 1½" size hard granite metal including cost of cement for bottom plugging.	154-8-0 (data 9)	"		3090-0-0
6.	2400 Cft.	Filling in with clean sand between bottom and top plugging inlayers including ramming.	8-14-0 (data 8)	"		213-0-0
7.	600 Cft.	Cement concrete (1;4;8) mix with 1½" size hard granite metal including cost of cement for top plugging of wells.	99-12-0 (data 21)	"		599-0-0
8.	1260 Cft.	Reinforced cement concrete (1;2;4) with 3/4" size hard granite chips including cost of cement,steel, centering, etc, complete for cap ing slab.	3-12-0 (data 12)	one Cft.		4725-0-0
				C/o		34525-0-0

p.t.o.

1.	2.	3.	4.	5.	6.	7.
					B/F	34525-0-0
9.	16700 Cft.	Coursed rubble masonry II sort in C.M.(1:5) including cost of materials and simultaneous pointing for abutments and wings.	93-0-0 (data 13)	100 cft.		15531-0-0
10.	500 Cft.	Concrete borken stone in C.M.(1:3:6) mix with 1½" size hard granite metal including cost of cement in foundation of wings.	118-0-0 (data 7)	"		590-0-0
11.	5300 Cft.	Coursed rubble masonry I sort in C.M.(1:5) including cost of materials and simultaneous pointing for piers and parapets.	115-8-0 (data 14)	"		6122-0-0
12.	50 Cft.	Concrete broken stone 3/4" size in C.M.(1:3:6) mix for coping over parapets and pilasters	145-8-0 (data 15)	"		73-0-0
13.		Reinforced cement concrete (1:2:4) mix with 3/4" size hard broken granite chips including cost of cement steel, centering charges etc., complete				
(a)	4350 Cft.	Deck Slab and curbs	(data 16) 3-10-3	One Cft.		15837-0-0
(b)	100 Cft.	Hand rails and posts	(data 17) 6-7-9	"		648-0-0
14.	600 Cft.	Concrete broken stone in cement mortar (1:2:4) with 3/4" size chips for wearing coat over deck slab	175-8-0 (data 20)	100 Cft		1053-0-0
15.	2300 Cft.	Rough stone dry packing 1 ft. thick over gravel backing 6" thick.(data 19)	32-12-0	"		753-0-0
16.	L.S.	Shoring and bailing out water wherever necessary.		LS		1500-0-0
17.	L.S.	Benching in rock in foundation wherever necessary		L.S.		441-0-0
					C/o.	77073-0-0

p.t.o.

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1.	2.	3.	4.	5.	6.	7.
					B.F.	77,073-0-0
18.	L.S.	Training river, cutting berms and blasting rock out crops etc.,		L.S.		500-0-0
19.	L.S.	Filling in between wings and abutments with earth and boulers and forming approaches		L.S.		1,250-0-0
20.	L.S.	Petty supervison at about 2½%		L.S.		2,000-0-0
21.	L.S.	Major supervison at about 5½% 4% and tools and plants at ~~1½%~~ 1½%		L.S.		4,300-0-0
22.	L.S.	Extra for anduous work in culvert		L.S.		3,800-0-0
23.	L.S.	Contingencies and other unforseen charges including the expenditure already incurred in the work.		L.S.		3,077-0-0
				Total	X	92,000-0-0

Rupees Ninety two thousands only.

/True copy/

Sd x x x
for Superintending Engineer

L.b. Padhan 17.7.57
For Chief Engineer (Highways)

C. No. 63395 A/9

P.W.D.(A)

G.O.No. Ms. 3363 dated: 11.8.51

Sub:- Communications - South Kanara District - Bridge at M.0/6 of Vittal Kabacca road - Reconstruction - Revised Estimate for Rs. 92000 - Approved.

Ref: G.O.No. Ms.1354 P.W. dated 20-4-48
From the C.E.(H) letter No.28392/51 K2-10 dated 13-7-51.

H.E. the Governor of Madras hereby approves the revised estimate for Rs.92,000(Rupees Ninety two thousand only) for reconstructing the bridge at M 0/6 of the Vittal Kabacca road in South Kanara District in lieu of the estimate for Rs. 60,000 approved for the work in G.O.No. Ms.1354 P.W. dated 28-4-48.

Note: The increase in the present estimate is Rs.32000 and this works out to 53.3% of the sanctioned estimate. The reasons for the increase are given in para 3 at p. 1-2 c.f. There is a provision of Rs. 50,000 for the work in the B.E. for 1951-52. The revised estimate may be sanctioned. The draft order above is accordingly submitted. After approval, the case may be sent to Fin. for acceptance of the draft order.

To
the C.E.(H)
2 copies
the A.G.Madras
thro.Fin.

92000-
60000
32000
= 53.3

PWD memo. 63395/A/51
30.7.51

SENIOR ASSISTANT SECRETARY, FINANCE DEPARTMENT
3 JUL 1951
56048
GOVERNMENT OF MADRAS

PUBLIC WORKS DEPARTMENT
69263
AUG 1951

5604 Fin/51
7851

The draft order above may be accepted.

Fin (Exp.C)
30.7.51

H.M. (Fin) may see.

6/8/51

P.W.

12.8.57 ... P.W.D(A)

The charge-nodes on p.1 ante which has been accepted by Fin. may issue ~~after perusal by P.W.D~~

9857

10.8.57

(Issued as Q.Com.No. 3363 PW dt 11.8.57)